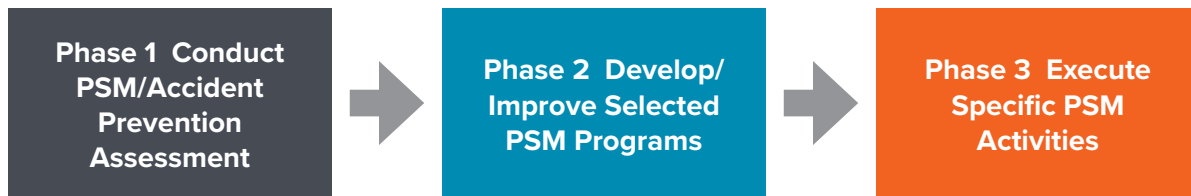


SAFETY RISK ANALYSIS

PROCESS SAFETY MANAGEMENT SERVICES

Since 1978, ABS Group has provided Process Safety Management (PSM) services to a variety of companies around the world. Following a strategy that has been successful with hundreds of other clients in various industries, we apply a three-phase approach to support client efforts to implement PSM systems at a facility.



Phase 1 Conduct PSM/Accident Prevention Assessment

ABS Group engineers will team with your personnel to conduct a PSM assessment at your facility(-ies). During a 2- to 5-day site visit per facility, our engineers will:

1. Interview your personnel
2. Review existing management systems to determine what policies, procedures, and information sources are available to help satisfy the desired PSM framework and/or other frameworks
3. Develop specific recommendations for improving the facility's PSM programs to meet the targeted PSM elements

Potential PSM Frameworks:

- U.S. OSHA PSM Regulation (14 Elements)
- U.S. EPA RMP Regulation (12 Elements)
- AIChE's CCPS Risk Based Process Safety (RBPS) (20 Elements)
- Energy Institute (20 Elements)

Phase 2 Develop/Improve Selected PSM Programs

At your request, ABS Group will proceed to develop and/or improve specific PSM programs for the facility. In developing or improving these programs, we will fully utilize any existing programs, OSHA/EPA and other regulatory guidance, and industry standards and practices to develop cost-effective programs for your facility. However, your plant will need to review those programs carefully to ensure that they satisfy your company's corporate needs and that they address your plant's understanding of the performance-based requirements of the PSM regulations and/or framework. In our PSM development experience, we have found it very important to verify that new (or extensively revised) PSM programs are consistent with the existing "culture" of the facility, and we will strive to develop such programs. Based on your plant's comments, we will revise the draft PSM programs and will provide them to your plant in both paper and electronic format.

Phase 3 Execute Specific PSM Activities

ABS Group can provide process safety engineers and technical specialists to help your plant execute the steps outlined in the facility PSM programs. The level of assistance will depend upon:

1. The specific tasks that are needed
2. The availability of qualified personnel in your company to perform these tasks

We may be particularly helpful to facilities by leading and documenting PHAs/revalidations, developing management of change programs, reviewing operating procedures, establishing mechanical integrity programs, conducting incident investigations, leading compliance audits, and/or by training your personnel to perform such activities.

ABS Group's Capabilities and Experience

Helping companies find ways to better operate their facilities more safely, reliably, and economically is our primary business activity.

We combine complete theoretical understanding of the technical bases of hazard evaluation techniques with the in-plant analysis experience needed to differentiate between something that works only in theory and something that works in practice.

For more information call us at 1-281-673-2800, e-mail us at info@abs-group.com or visit www.abs-group.com.

